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IDEA 1286
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21 MAY 1963

MEMORANDUM FOR: Deputy for Field Activities, OSA
SUBJECT : New ECP s

The following ECP s applicable to U-2 aircraft were approved 27 May 1963:

a. LAC-140, Improvement of A-C Generator System. This ECP replaces the Leland 3 KVA Alternator with the Bendix 10 KVA Alternator. Repeated failures of the Leland alternator and regulator together with the need for greater AC capacity justified this ECP. Service Bulletin kits will be available in about 22 weeks. Kits will be installed by the detachments.

b. LAC-150, New Inverter System. This ECP replaces the present 500 VA Lear Inverter with a 750 VA Leland Inverter. This will provide additional inverter back-up in case of inverter failure and will eliminate the carbon stack regulators which have been the source of most inverter failures. The revised inverter circuitry will provide for use of the existing 100 VA and 250 VA inverters and AC Alternator as back-up in event the 750 VA inverter fails. This will enable the pilot to complete a mission successfully where previously an abort would have resulted. Under this condition, the pilot must select one of two alternates--all systems except 613T-3 or all systems except Rendezvous Beacon. In event both the 750 VA and 250 VA inverters fail, the 100 VA inverter will still supply power to emergency flight instruments.

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(signed)

Chief, Materiel Division
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LAC ECP's

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